BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

EMB

e of Work: Improvements of RCC drain & Covering slab Maheshwari Nagara 6th cross side road & 7th Cross roads in Dasarahalli Ward No 15

escription of Item	Unit	No	L	B	D	Qty	Rate	Amount
measurments								
RRB 300-1: Earthwork excavation by manual means in ordinary soil olving an average horizontal throw upto 2 meters and an average lift upto m, excavated surface levelled and sides neatly dressed, the disposed earth be levelled neatly after breaking of clods complete as per specifications. ORTH Chapter 3 (Page No. 143, It.No.19.1) PWD SR 2018-19								
7th Cross L/s	Cum	1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
7th Cross R/s		1	21.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	20.79		
		1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
6th Cross L/s		1	21.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	20.79		
		1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
1st Cross Western side		1	19.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	18.81		
		1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
2nd Cross Eastern side		1	19.40	1.10	0.90	29.70		
		1	30.00	1.10	0.90	19.21		
		1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
2nd Cross Western side		1	11.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	10.89		
		1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
		1	30.00	1.10	0.90	29.70		
1st A Cross B/s		1	14.00	1.10	0.90	29.70		
th & 6th crs southern side		2	25.60	1.10	0.90	13.86		
1st Cross CC road		1	28.00	1.10	0.90	50.69		
		1	30.00	(4.6+4.0)/2	0.30	27.72		
lting of existing drain		1	20.00	(4.0+4.2)/2	0.30	38.70		
		2	50.00	0.45	0.45	24.60		
easurments						20.25		
						860.30	207.60	178599.00
ing Precast slab of drain and stacking with all leads and lifts etc., te as per the direction of Engineer-in-charge of the work..(PWD SR), Page No.27, Item No. 5.32)								
st Cross CC road	Sqm	1	30.00	0.90		27.00		
		1	20.00	0.90		18.00		
						45.00	104.94	4722.00

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measurments								
ixing precast slabs of drains and pointing in CM 1:3 etc complete Page No. Item No.5.33/ PWD SR 2018-19								
	Sqm	Qty Vide Item No 02				45.00	111.30	5009.00
measurments								
RRB M2100-10. Plain cement concrete 1:3:6 with OPC cement @ 220kgs h crushed 40mm and down size graded granite metal coarse aggregates @ 4cum and fine aggregates @ 0.56cum in foundation mechanically mixed, ced in foundation and compacted by vibration including curing for 14 days nplete as per specifications. MORTH Specification No. 2100 (P.222, I.27.18 VD -SR 2018-19)								
7th Cross L/s	Cum	1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
7th Cross R/s		1	21.00	1.10	0.15	3.47		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
6th Cross L/s		1	21.00	1.10	0.15	3.47		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
1st Cross Western side		1	19.00	1.10	0.15	3.14		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
2nd Cross Eastern side		1	22.75	1.10	0.15	3.75		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
2nd Cross Western side		1	11.00	1.10	0.15	1.82		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	14.00	1.10	0.15	2.31		
1st A Cross B/s		2	25.60	1.10	0.15	8.45		
V 5th & 6th crs southern side		1	28.00	1.10	0.15	4.62		
						130.01	5421.90	704911.00
measurments								
viding, laying, spreading and compacting graded stone aggregates to wet macadam specifications including pre mixing the material with water at in mechanical mix plant carriage of mixed method of tipper to site, g in uniform layers with paver in sub-base / base course on well prepared ce and compacting with vibratory roller to achieve the desired density lete as per specifications. Specification No. 406 with all leads and lifts omplete as per the direction of Engineer-in-charge of the work.(PWD 18-19, P.No.155, I No.20.18)								
1st Cross CC road	Cum	1	30.00	(4.6+4.0)/2	0.15	19.35		
		1	20.00	(4.0+4.2)/2	0.15	12.30		
						31.65		
				limited to		30.00	2001.28	60038.00

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Pre measurments								
Refixing precast slabs of drains and pointing in CM 1:3 etc complete Page No. 27/ Item No.5.33/ PWD SR 2018-19	Sqm	Qty Vide Item No 02				45.00	111.30	5009.00
Pre measurments								
KSRRB M2100-10. Plain cement concrete 1:3:6 with OPC cement @ 220kgs with crushed 40mm and down size graded granite metal coarse aggregates @ 0.84cum and fine aggregates @ 0.56cum in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications. MORTH Specification No. 2100 (P.222, I.27.18 PWD -SR 2018-19)								
7th Cross L/s	Cum	1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	21.00	1.10	0.15	3.47		
7th Cross R/s		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	21.00	1.10	0.15	3.47		
6th Cross L/s		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	19.00	1.10	0.15	3.14		
1st Cross Western side		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	22.75	1.10	0.15	3.75		
2nd Cross Eastern side		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
2nd Cross Western side		1	11.00	1.10	0.15	1.82		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	30.00	1.10	0.15	4.95		
		1	14.00	1.10	0.15	2.31		
1st A Cross B/s		2	25.60	1.10	0.15	8.45		
B/W 5th & 6th crs southern side		1	28.00	1.10	0.15	4.62		
Pre measurments						130.01	5421.90	704911.00
Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, aying in uniform layers with paver in sub-base / base course on well prepared rface and compacting with vibratory roller to achieve the desired density mplete as per specifications. Specification No. 406 with all leads and lifts complete as per the direction of Engineer-in-charge of the work.(PWD 018-19, P.No.155, I No.20.18)								
1st Cross CC road	Cum	1	30.00	(4.6+4.0)/2	0.15	19.35		
		1	20.00	(4.0+4.2)/2	0.15	12.30		
						31.65		
				limited to		30.00	2001.28	60038.00

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Pre measurments

KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.229 - I. no.28.8.2]PWD - SR 2018-19)

Description of work	Tonne Dia	Length	Nos	8mm	10mm			
For RCC Drain								
7th Cross L/s								
Main steel	10mm	2.70	1110		2997.00			
Dist steel	8mm	111.00	27	2997.00				
7th Cross R/s								
Main steel	10mm	2.70	1110		2997.00			
Dist steel	8mm	111.00	27	2997.00				
6th Cross L/s								
Main steel	10mm	2.70	1090		2943.00			
Dist steel	8mm	109.00	27	2943.00				
1st Cross Western side								
Main steel	10mm	2.70	1128		3045.60			
Dist steel	8mm	112.75	27	3044.25				
2nd Cross Eastern side								
Main steel	10mm	2.70	1310		3537.00			
Dist steel	8mm	131.00	27	3537.00				
2nd Cross Western side								
Main steel	10mm	2.70	1048		2829.60			
Dist steel	8mm	104.00	27	2808.00				
1st A Cross B/s								
Main steel	10mm	2.70	2*256		1382.40			
Dist steel	8mm	2*25.6	27	1382.40				
B/W 5th & 6th crs southern side								
Main steel	10mm	2.70	280		756.00			
Dist steel	8mm	28.00	27	756.00				
			Mtr	20464.65	20487.60			
	8mm	20464.65	0.39	Kgs	7981.21			
	10mm	20487.60	0.62	Kgs	12702.31			
				Kgs	20683.53			
				M.T	20.684	20.684	72326.98	1495977.00

re measurments

oviding and laying plain/reinforced cement concrete for side drains using 0 nominal mix concrete with OPC at 300 kgs. with 20mm and down size nite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum hine mixed, well compacted for walls and bottom including centering, tering, cost of materials, HOM of machinery, curing etc., complete ding cost of steel as per MORTH specification No. 1500, 1700, (PWD SR 2018-19 P.no-271, It No 37.59.20)

Concrete								
7th Cross L/s	Cum	1	30.00	1.00	0.15	4.50		

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7th Cross R/s			1	30.00	1.00	0.15	4.50		
			1	30.00	1.00	0.15	4.50		
			1	21.00	1.00	0.15	3.15		
6th Cross L/s			1	30.00	1.00	0.15	4.50		
			1	30.00	1.00	0.15	4.50		
			1	21.00	1.00	0.15	3.15		
1st Cross Western side			1	30.00	1.00	0.15	4.50		
			1	30.00	1.00	0.15	4.50		
			1	19.00	1.00	0.15	2.85		
2nd Cross Eastern side			1	30.00	1.00	0.15	4.50		
			1	30.00	1.00	0.15	4.50		
			1	22.75	1.00	0.15	3.41		
			1	30.00	1.00	0.15	4.50		
2nd Cross Western side			1	30.00	1.00	0.15	4.50		
			1	30.00	1.00	0.15	4.50		
			1	11.00	1.00	0.15	1.65		
			1	30.00	1.00	0.15	4.50		
			1	30.00	1.00	0.15	4.50		
			1	30.00	1.00	0.15	4.50		
1st A Cross B/s			1	14.00	1.00	0.15	2.10		
W 5th & 6th crs southern side			2	25.60	1.00	0.15	7.68		
ide Wall			1	28.00	1.00	0.15	4.20		
7th Cross L/s	Cum		2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
7th Cross R/s			2	21.00	0.15	0.75	4.73		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
6th Cross L/s			2	21.00	0.15	0.75	4.73		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
st Cross Western side			2	19.00	0.15	0.75	3.28		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
Cross Eastern side			2	22.75	0.15	0.75	5.12		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
ss Western side			2	11.00	0.15	0.75	2.48		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
			2	30.00	0.15	0.75	6.75		
t A Cross B/s			2	14.00	0.15	0.75	3.15		
			4	25.60	0.15	0.75	11.52		
s southern side			2	28.00	0.15	0.75	6.30		
							295.48	7070.20	2089112.00

Checked & Bill
with Sketch
A.E.E. (D.D.)
BANGALORE

Checked & Bill
with Sketch
A.E.E. (D.D.)
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Pre measurments

KSRRB M100-6. Crushing of stone boulders of 150 mm size in an Cum 798.00
integrated stone crushing unit of 200 tonnes per hour capacity comprising of
primary and secondary crushing units, belt conveyor and vibrating screens to
obtain stone aggregates of 40 mm nominal size including cost of materials,
equipments, labour etc. complete (PWD SR 2018-19 P.no-136, It No 17.10)

7th Cross L/s	Cum	1	30.00	0.10	0.90	2.70		
		1	30.00	0.10	0.90	2.70		
		1	30.00	0.10	0.90	2.70		
7th Cross R/s		1	21.00	0.10	0.90	1.89		
		1	30.00	0.10	0.90	2.70		
		1	30.00	0.10	0.90	2.70		
6th Cross L/s		1	21.00	0.10	0.90	2.70		
		1	30.00	0.10	0.90	1.89		
		1	30.00	0.10	0.90	2.70		
1st Cross Western side		1	19.00	0.10	0.90	2.70		
		1	30.00	0.10	0.90	1.71		
		1	30.00	0.10	0.90	2.70		
2nd Cross Eastern side		1	22.75	0.10	0.90	2.70		
		1	30.00	0.10	0.90	2.05		
		1	30.00	0.10	0.90	2.70		
		1	30.00	0.10	0.90	2.70		
2nd Cross Western side		1	30.00	0.10	0.90	2.70		
		1	11.00	0.10	0.90	2.70		
		1	30.00	0.10	0.90	0.99		
		1	30.00	0.10	0.90	2.70		
		1	30.00	0.10	0.90	2.70		
1st A Cross B/s		1	30.00	0.10	0.90	2.70		
B/W 5th & 6th crs southern side		1	14.00	0.10	0.90	2.70		
		2	25.60	0.10	0.90	1.26		
		1	28.00	0.10	0.90	4.61		
Detailed measurment						2.52		
						70.92	760.02	53897.00

Supplying and fixing precast rainforced concrete slab 10cm thick of mix M20
sing 20MM and downsize graded granite metal using reinforcement 10mm
a steel at 100mm C/C both ways cost, transportation, hire charges of
achinery, machine cutting the vertical face to get plain even surface etc.,
nplete with all leads and lift conveyance charges, labour charges inclusive
ost of all materials.

7th Cross L/s	Cum	1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
7th Cross R/s		1	21.00	0.90		18.90		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
6th Cross L/s		1	30.00	0.90		27.00		
		1	21.00	0.90		18.90		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
ss Western side		1	30.00	0.90		27.00		
		1	19.00	0.90		17.10		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		

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		1	30.00	0.90		27.00		
		1	22.80	0.90		20.52		
2nd Cross Eastern side		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	11.00	0.90		9.90		
2nd Cross Western side		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
		1	30.00	0.90		27.00		
1st A Cross B/s		1	14.00	0.90		12.60		
		2	25.60	0.90		46.08		
N 5th & 6th crs southern side		1	28.00	0.90		25.20		
Missing Slab		99	0.60	0.90		53.46		
						762.66	2208.00	1683953.00

tailed measurment

ment concrete pavement.Construction of un-reinforced plain cement ncrete pavement, thickness as per design, over a prepared sub base with C cement or any other type as per clause 1051.2.2 with 25mm and down e graded granite metal coarse aggregates and fine aggregtes , with erplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in oncrete mixer of not less than 0.6 cum capacity and appropriate weigh cher as per approved mix design, laid in approved fixed side form work el channel, laying and fixing of 125 micron thick polythene film, wedges, el plates including levelling the form work as per drawing). Spreading the crete with shovels, rackers compacted using needle, screed and plate rator and finished in a continuous operation including provision of traction, expansion, construction and longitudinal joints, joint filler, aration membrane, selant primer, joint sealant, admixtures as approved, ing compound, finishing to lines and grades as per drawing complete as specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and aggregate @ 0.43cum) ((P.No.176, I.No.22.6.1 of PW,P&IWTD SR 2018-

	Cum	1	30.00	(4.6+4.0)/2	0.15	19.35		
		1	20.00	(4.0+4.2)/2	0.15	12.30		
						31.65		
					Limited to	30.00	5210.96	156329.00
						Sub Total		6432547.00
DL Charge 4.5%								289465.00
charges 12%								771906.00
						Grand Total		7493918.00

E.E. (D.D.)

Assistant Engineer
Ward No 15

Assistant Executive Engineer
T. Dasarahalli Sub Division
B.B.M.P.

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

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